api

1-Agregar dependecias en el gradel:

implementation 'com.squareup.retrofit2:retrofit:2.4.0'

api 'com.squareup.retrofit2:converter-gson:2.3.0'

2- Agregar uses permision en android manifest:

<uses-permission android:name="android.permission.INTERNET" />

3- Crear Interface

public interface NetworkAPI {

@GET("posts")

Call<List<Post>> getAllPosts();

}

4- Crear Clase entidad "Post" con nombres iguales al Json:

public class Post {

private String userId;

private String id;

private String title;

private String body;

"AGREGAR GETERS AND SETERS"

}

5-En el activity crear método :

private void LoadPosts() {

Gson gson = new GsonBuilder().setLenient().create();

retrofit = new Retrofit.Builder()

.baseUrl(BASE\_URL)

.addConverterFactory(GsonConverterFactory.create(gson))

.build();

NetworkAPI networkAPI = retrofit.create(NetworkAPI.class);

Call<List<Post>> call = networkAPI.getAllPosts();

call.enqueue(this);

}

6-Agregar implements en el activity

"implements Callback<List<Post>>"

7- Alt+Enter y se Crearán 2 metodos OnResponse y Onfailure

public void onResponse(Call<List<Post>> call, Response<List<Post>> response) {

if(response.isSuccessful()) {

List<Post> postList1 = response.body();

for (Post post : postList1) {

postList.add(post);

Log.d(LOGTAG, "ENTRÓ AL ONRESPONSE " + post.getTitle());

}

}else{

System.out.println(response.errorBody());

Log.d(LOGTAG, "LUL");

}

}

@Override

public void onFailure(Call<List<Post>> call, Throwable t) {

t.printStackTrace();

Log.d(LOGTAG, "ENTRÓ AL ONFAIL");

}

}

RECYCLERVIEW:

public class RvAdapter extends RecyclerView.Adapter<RvAdapter.ViewHolder>{

ArrayList<Post> listDatos;

public RvAdapter(ArrayList<Post> listDatos) {

this.listDatos = listDatos;

}

//enlaza el item con el adapter

@Override

public ViewHolder onCreateViewHolder(ViewGroup parent, int viewType) {

View view = LayoutInflater.from(parent.getContext()).inflate(R.layout.rv\_item,null,false);

return new ViewHolder(view);

}

//comunica el adapter con el viewholder

@Override

public void onBindViewHolder(ViewHolder holder, int position) {

holder.title.setText(listDatos.get(position).getTitle());

holder.id.setText(listDatos.get(position).getId());

Post p = listDatos.get(position);

}

@Override

public int getItemCount() {

return listDatos.size();

}

public class ViewHolder extends RecyclerView.ViewHolder {

TextView title;

TextView id;

public ViewHolder(View itemView) {

super(itemView);

title= itemView.findViewById(R.id.textTitle);

id = itemView.findViewById(R.id.textId);

}

}

}

EN ACTIVITY->

Declaras:

RecyclerView recyclerViewPosts;

ArrayList<Post> postList = new ArrayList<>();

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@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_rv);

LoadPosts();

recyclerViewPosts = findViewById(R.id.recyclerAct);

recyclerViewPosts.setLayoutManager(new LinearLayoutManager(this));

RvAdapter adapter = new RvAdapter(postList);

recyclerViewPosts.setAdapter(adapter);

}

SUGGAR:

Declarar dependencia en gradle:

implementation 'com.squareup.retrofit2:retrofit:2.4.0'

-------En manifest

<manifest xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:tools="http://schemas.android.com/tools"

xmlns:androidtools="http://schemas.android.com/apk/res-auto"

package="upc.pe.edu.franpar">

<application

tools:replace="android:icon"

android:name="com.orm.SugarApp"

android:allowBackup="true"

android:icon="@mipmap/ic\_launcher"

android:label="@string/app\_name"

android:roundIcon="@mipmap/ic\_launcher\_round"

android:supportsRtl="true"

android:theme="@style/AppTheme">

<meta-data android:name="DATABASE" android:value="databaseGG.db" />

<meta-data android:name="VERSION" android:value="3" />

<meta-data android:name="QUERY\_LOG" android:value="true" />

<meta-data android:name="DOMAIN\_PACKAGE\_NAME" android:value="upc.pe.edu.franpar" />